

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 1 of

Complete if Known

Application Number	
Filing Date	
First Named Inventor	KIM, Dae-Yeol
Art Unit	
Examiner Name	
Attorney Docket Number	2017-109

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	FOREIGN PATENT DOCUMENT		Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	†
		Country Code ² Number ³ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY			
/M.S./	03	KR 1020020073101	09/19/2002	Joung et al.		
↓	04	KR 1020000054554	09/05/2000	Kim, Kyung Joo		
	05	KR 1020000054546	09/05/2000	Kim, Eun Taek		
	06	KR 1020020023831	03/29/2002	Kim, Jae Myeong		
	07	JP 2003-099680	04/04/2003	Motoishi et al.		
/M.S./						

Examiner Signature	/Mohammad Shaikh/ (11/17/2010)	Date Considered	11/17/2010
-----------------------	--------------------------------	--------------------	------------

*EXAMINER: Initial ¹reference considered, whether or not citation is in conformance with MPEP 909. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ²Applicant's unique citation designation number (optional). ³See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ⁴Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵For Japanese patent documents, indicate the year of the reign of the Emperor must precede the serial number of the patent document. ⁶Kind of document. ⁷For the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁸Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.